

## Department Decision Recommendation

RE:            ERTS #:            688260            Site Name:            Circle K 6032  
                  UST ID#:            3666            Site Address:        590 Gage Blvd.  
                  Facility/Site ID#:        95512514        City:                Richland  
                  Cleanup Site ID #:        14973            County:              Benton

In keeping with the requirement of WAC 173-340-310 (5) I recommend: this site receive Further Action in the form of a site characterization and remedial action to address the release of petroleum hydrocarbons.

### Supporting Criteria:

Between March 25 and April 18, 2019, four (4) Underground Storage Tanks (USTs) and associated dispensers and product piping were decommissioned and removed.

Three (3) USTs contained gasoline and one (1) UST contained diesel fuel. The tanks were of steel construction and inspected after removal. No holes or significant corrosion were observed.

### Soil Samples

Ten (10) soil samples were collected from the tank basin sidewalls, five (5) soil samples were collected from beneath the product piping, and six (6) samples were collected beneath the dispensers.

Concentrations of gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected above MTCA cleanup standards in samples collected beneath the product piping and dispensers.

The following constituents were detected:

#### **above** MTCA cleanup standards:

- gasoline
- benzene
- toluene
- ethylbenzene
- xylenes

#### **below** MTCA cleanup standards:

- diesel
- naphthalenes
- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- lead

### Groundwater Samples

Groundwater was encountered at about 8 feet below ground surface (bgs) in the tank basin. Two (2) grab samples were collected from the open excavation.

Due to the nature and method of sample collection (significant error from turbidity, volatilization, etc.) the reported concentrations can be used to confirm the presence, but not the absence, of specific petroleum constituents.

The following constituents were detected:

- gasoline
- diesel
- heavy oil
- BTEX
- naphthalenes
- 1,2,4-trimethylbenzene
- 1,3,5-trimethylbenzene
- tetrachloroethylene (PCE)
- trichloroethylene (TCE)
- lead

The samples collected during the decommissioning and removal activities confirmed that a release of petroleum hydrocarbons occurred and both soil and groundwater have been impacted.

The potential source of PCE and TCE in groundwater was not discussed. Future site characterization should include the source, nature, and extent of TCE and PCE.

This Department Decision Recommendation should be reviewed and re-evaluated based on any new information about this site.

Investigator(s): JENNIFER LIND *Jennifer Lind* DATE: 5/22/2019  
Print and sign name(s)

Section Manager: *Valerie Boud* DATE: 5/22/19